

METHOD FOR COATING PARTS MADE OF MATERIAL BASED ON SiC, COATING COMPOSITIONS, AND RESULTING COATED PARTS

Publication number: FR2806406

Publication date: 2001-09-21

Inventor: GASSE ADRIEN

Applicant: COMMISSARIAT ENERGIE ATOMIQUE (FR)

Classification:

- international: C04B41/50; C04B41/52; C04B41/87; C04B41/89;

C04B41/45; C04B41/87; C04B41/89; (IPC1-7):

C04B41/87; B23K35/32; B23K103/00

- european: C04B41/50R58S; C04B41/52; C04B41/87; C04B41/89

Application number: FR20000003238 20000314

Priority number(s): FR20000003238 20000314

Also published as:



WO0168560 (A1)

EP1263695 (A0)

Report a data error here

Abstract not available for FR2806406

Abstract of corresponding document: WO0168560

The invention concerns a method for coating a part made of material based on silicon carbide, which consists in applying on at least a surface of said part a coating composition, and in heating the assembly formed by the part and the coating composition at a temperature sufficient to cause the surface of the coating composition to melt, so as to coat with a deposit said part made of material based on silicon carbide. Said coating composition is a non-reactive composition consisting, in atomic percentages, 40 to 97 % of silicon and 60 to 3 % of another element selected among chromium, rhenium, titanium, vanadium, ruthenium, iridium, rhodium, palladium, cobalt, platinum, cerium and zirconium, and, prior to heating a SiC and/or C reinforcement is added to the composition. The invention also concerns coating compositions and coated parts obtained by said method.

Data supplied from the esp@cenet database - Worldwide

BEST AVAILABLE COPY